

EXHIBIT 2

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4610125

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALCATEL LUCENT	07/22/2017

RECEIVING PARTY DATA

Name:	WSOU INVESTMENTS, LLC
Street Address:	11150 SANTA MONICA BLVD.
Internal Address:	SUITE 1400
City:	LOS ANGELES
State/Country:	CALIFORNIA
Postal Code:	90025

PROPERTY NUMBERS Total: 2979

Property Type	Number
Application Number:	08901774
Application Number:	08901775
Application Number:	08902686
Application Number:	08940221
Application Number:	08925509
Application Number:	09050153
Application Number:	08900994
Application Number:	08926841
Application Number:	08938402
Application Number:	08998249
Application Number:	08890898
Application Number:	08906366
Application Number:	08942992
Application Number:	08962181
Application Number:	08969663
Application Number:	08960689
Application Number:	08888227
Application Number:	08969068
Application Number:	08972547

PATENT

504563414

REEL: 044000 FRAME: 0053

Property Type	Number
Application Number:	09985243
Application Number:	09910811
Application Number:	10320247
Application Number:	10448824
Application Number:	09925738
Application Number:	10152645
Application Number:	09170835
Application Number:	09668243
Application Number:	09990366
Application Number:	09736158
Application Number:	10607968
Application Number:	10954033
Application Number:	09353460
Application Number:	09449649
Application Number:	09667709
Application Number:	09781851
Application Number:	09808934
Application Number:	10671482
Application Number:	09934851
Application Number:	09862140
Application Number:	09783842
Application Number:	10003883
Application Number:	09921109
Application Number:	10910027
Application Number:	11217625
Application Number:	10827274
Application Number:	09328607
Application Number:	10443058
Application Number:	10121654
Application Number:	09782359
Application Number:	09758958
Application Number:	09810251
Application Number:	09393949
Application Number:	09737370
Application Number:	09734057
Application Number:	09850124
Application Number:	10659757
Application Number:	10153824

ASSIGNEE RECORDATION COVER SHEET

The following four documents attached hereto present evidence of legal transfer of title to the patent properties listed in “Exhibit A of Amended Schedule B1” from

Alcatel Lucent
("Assignor")

to

WSOU Investments, LLC
("Assignee"):

1. “PATENT ASSIGNMENT” as set forth in “AMENDED SCHEDULE B1: ASSIGNMENT OF PATENT RIGHTS BY ALCATEL LUCENT” (3 pp) of that certain “Patent Purchase Agreement” effective July 22, 2017 between (a) Alcatel Lucent, (b) Nokia Solutions and Networks BV, and (c) Nokia Technologies Oy (“SELLERS”), and (d) Wade and Company (“PURCHASER”), as amended by “Amendment to Patent Purchase Agreement” between SELLERS and PURCHASER effective August 2, 2017.
2. “ASSIGNMENT OF PATENT PURCHASE AGREEMENT” between (d) Wade and Company (“ASSIGNEE”) and WSOU Investments, LLC (“ASSIGNOR”) effective August 21, 2017 (1 page).
3. “RELEASE AND RELINQUISHMENT OF INTEREST IN WSOU INVESTMENTS, LLC” by WCFT Cayman, Ltd. effective August 21, 2017 (1 page).
4. “Exhibit A of AMENDED SCHEDULE B1 – Assigned Patents (ALU Only Assets) of PPA” (149 pp).

AMENDED SCHEDULE B1: ASSIGNMENT OF PATENT RIGHTS

BY ALCATEL LUCENT

PATENT ASSIGNMENT

This **PATENT ASSIGNMENT**, including without limitation Exhibit A of Amended Schedule B1 hereto, ("Assignment") is made by:

- (1) **Alcatel Lucent**, a company validly organized and existing under the laws of France and having its principal address at 148/152 Route de la Reine, 92100 Boulogne-Billancourt, France, ("Assignor"); to
- (2) **Wade and Company**, a company validly organized and existing under the laws of Ontario, Canada, having its principal address at 17 Prince Arthur, Toronto, ON M5R 1G4 CANADA, (the "Assignee").

All references to the plural herein also mean the singular, and vice versa, unless the context otherwise requires.

WHEREAS, Assignor is the owner of certain patents and patent applications, as specified in Exhibit A hereto.

DEFINITIONS

"Assigned Patents" means (a) patent applications listed in Exhibit A of Amended Schedule B1 hereto; (b) all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of such patents and patent applications (whether pending, issued, abandoned or filed prior to, on or after the Effective Date); (c) all patents and patent applications (i) to which any or all of the foregoing directly or indirectly claims priority to, or the benefit of, the filing date, or (ii) for which any or all of the foregoing directly or indirectly forms a basis for priority or otherwise provides the benefit of an earlier filing date; and (d) all foreign counterparts to any or all of the foregoing, and all utility models, certificates of invention, patent registrations and equivalent rights worldwide.

"Assignment Date" means August 2, 2017.

PATENT ASSIGNMENT

Assignor hereby assigns, transfers, and conveys unto Assignee, all of Assignor's right, title, and interest in and to each of the Assigned Patents.

The assignment, transfer, and conveyance to Assignee set forth above will become effective on the Assignment Date and is made subject to certain encumbrances and retained rights for the Assigned Patents in favor of Assignor and/or its assignees and licensees.

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be signed by its duly authorized officers.

ASSIGNOR:

ALCATEL LUCENT

By: 
Name: Bernard Zucker
Title: General Counsel, Bell Labs
Special Projects
Date: 2 August 2017

ASSIGNOR:

ALCATEL LUCENT

By: 
Name: Flame Dinh
Title: Authorizing Signature
Date: 2 Aug 2017

ACKNOWLEDGED BY ASSIGNEE

ASSIGNEE:

WADE AND COMPANY

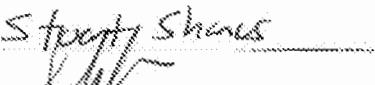
By: 
Name: Steve Shows
Title: Managing Director
Date: Aug 2 2017

EXHIBIT A of AMENDED SCHEDULE B1 ~ ASSIGNED PATENTS

Embedded Electronic File (149 Pages):



Exhibit A of
AMENDED SCHEDULE

"Exhibit A of AMENDED SCHEDULE B1 ~ Assigned Patents (ALU Only Assets) of PPA"

ASSIGNMENT OF PATENT PURCHASE AGREEMENT

WHEREAS, Wade and Company, on the one hand, and Alcatel Lucent, Nokia Solutions and Networks BV and Nokia Technologies Oy ("Nokia Parties"), on the other hand, entered into a Patent Purchase Agreement with an effective date as of July 22, 2017 ("Patent Purchase Agreement");

WHEREAS, Wade and Company and the Nokia Parties entered into an Amendment to the Patent Purchase Agreement with an effective date as of August 21, 2017 ("Amendment to Patent Purchase Agreement");

WHEREAS, the Amendment to the Patent Purchase Agreement permits Wade and Company to assign the whole of its interest in the Patent Purchase Agreement to WSOU Investments LLC, a company organized under the laws of Delaware;

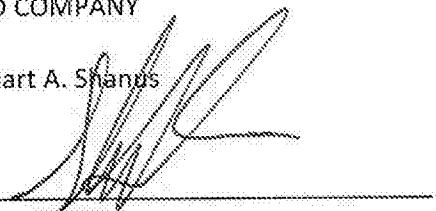
NOW, THEREFORE, Wade and Company wishes to assign the whole of its interest in the Patent Purchase Agreement to WSOU Investments LLC

Wade and Company hereby assigns to WSOU Investments LLC and WSOU Investments LLC hereby accepts the whole of the interest of Wade and Company in the Patent Purchase Agreement.

IN WITNESS WHEREOF, Wade and Company and WSOU Investments LLC, on behalf of themselves and their Affiliates, have caused this Agreement to be executed by their duly authorized representatives to become effective as of August 21, 2017.

WADE AND COMPANY

Name: Stuart A. Shands

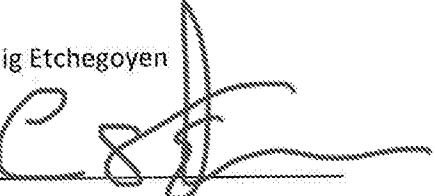
Signature: 

Title: General Counsel, Managing Partner

Date: August 21, 2017

WSOU INVESTMENTS LLC

Name: Craig Etchegoyen

Signature: 

Title: Member

Date: August 21, 2017

RELEASE AND RELINQUISHMENT OF INTEREST IN WSOU INVESTMENTS, LLC

WHEREAS, WCFT Cayman, a Cayman Islands company ("WCFT Cayman"), on the one hand and Orange Holdings, a Nevada corporation, on the other hand, had preliminary discussions concerning forming and operating WSOU Investments, LLC, a to be formed Delaware limited liability company;

WHEREAS, WSOU Investments, LLC was subsequently formed to purchase intellectual property from Alcatel Lucent, Nokia Solutions and Networks BV, Nokia Technologies Oy; and

WHEREAS, WCFT Cayman and Orange Holding never agreed to form WSOU Investments, LLC;

NOW, THEREFORE, to avoid any controversy or dispute concerning the fact that WCFT Cayman does not own and has never owned an interest in WSOU Investments, LLC:

WCFT Cayman hereby unequivocally avers that it owns no interest in WSOU Investments, LLC and to the extent it ever had any ownership stake, it hereby releases, relinquishes and disavows any ownership interest in WSOU Investments LLC it may have had.

IN WITNESS WHEREOF, WCFT Cayman itself and its Affiliates have caused this Release and Relinquishment of Interest to be executed by its duly authorized representative made effective as of August 21, 2017.

WCFT Cayman Ltd.

Name: Marc Wade

Signature: 

Title: Director

Date: August 21, 2017

FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
809616	809616-US-NP	US8792941	13/613159	20140073335	US	29-Jul-14	26-Sep-32	13-Sep-12	Method And Apparatus Of Virtualized Resource Sharing In Cellular Networks
019224	019224-US-CIP	US6148423	08/483886		US	14-Nov-00	14-Nov-17	7-Jun-93	SIGNAL TRANSMISSION PERFORMANCE OPTIMIZATION DEVICE IN A SYSTEM FOR TRANSMITTING DIGITAL DATA, ESPECIALLY ON AN OPTICAL LINK
100001	100001-DE-EPA	EP0817397	97401515.8	EP0817397	DE	31-Dec-08	30-Jun-17	30-Jun-97	HANDOVER
100001	100001-GB-EPA	EP0817397	97401515.8	EP0817397	GB	31-Dec-08	30-Jun-17	30-Jun-97	HANDOVER
100001	100001-US-NP	US5995807	08/887287		US	30-Nov-99	2-Jul-17	2-Jul-97	HANDOVER
100082	100082-US-NP	US6522896	09/102002	20020022502	US	18-Feb-03	22-Jun-18	22-Jun-98	ANTENNA DIVERSITY BASE STATION FOR TRANSMISSION OF UNIDIRECTIONAL CHANNELS AND CORRESPONDING METHOD OF TRANSMISSION OF A UNIDIRECTIONAL CHANNEL BY A BASE STATION
100295	100295-US-PCT	US6173093	09/051816		US	9-Jan-01	18-Aug-17	18-Aug-97	OPTICAL ADD/DROP WAVELENGTH DIVISION MULTIPLEX SYSTEMS
100408	100408-US-NP	US6038045	08/956445		US	14-Mar-00	23-Oct-17	23-Oct-97	APPARATUS FOR ADDING AND DROPPING WAVELENGTH MULTIPLEX CHANNELS
100430	100430-US-NP	US6026204	08/960201		US	15-Feb-00	29-Oct-17	29-Oct-97	SPECTRAL PRECOMPENSATION
100589	100589-US-NP	US5994795	09/062554		US	30-Nov-99	20-Apr-18	20-Apr-98	POWER DISTRIBUTION
100639	100639-US-NP	US6052527	09/021420		US	18-Apr-00	10-Feb-18	10-Feb-98	METHODE POUR GERER LA CONCURRENCE DANS DES OBJETS
100643	100643-US-NP	US6266406	09/057802		US	24-Jul-01	9-Apr-18	9-Apr-98	IMPLEMENTATION OF A TCAP INTERFACE
100645	100645-US-NP	US6317428	09/059837		US	13-Nov-01	14-Apr-18	14-Apr-98	DESIGN AND IMPLEMENTATION OF IN SERVICE
100683	100683-US-PCT	US6339489	09/125316		US	15-Jan-02	30-Dec-17	30-Dec-97	DEVICE FOR COMPENSATING THE DISPERSION OF POLARIZATION IN AN OPTICAL TRANSMISSION SYSTEM
100716	100716-US-NP	US6034645	09/028811		US	7-Mar-00	24-Feb-18	24-Feb-98	MINIATURE ANNULAR MICROSTRIP RESONANT ANTENNA
100784	100784-US-PCT	US6373608	09/155901		US	16-Apr-02	10-Feb-18	10-Feb-98	METHOD AND DEVICE FOR ON-LINE REGENERATION OF A SIGNAL TRANSMITTED BY WAVELENGTH DIVISION MULTIPLEXED SOLITONS AND OPTICAL TELECOMMUNICATION SYSTEM COMPRISING SUCH A REGENERATING DEVICE
100792	100792-US-NP	US6172562	09/225508		US	9-Jan-01	6-Jan-19	6-Jan-95	DEVICE FOR CONTROLLING THE AMPLITUDE AND THE PHASE OF A RADIO FREQUENCY SIGNAL
100849	100849-US-NP	US6061027	09/143657		US	9-May-00	31-Aug-18	31-Aug-98	RADIATING STRUCTURE
100902	100902-US-PCT	US6526064	09/180774		US	25-Feb-03	27-Mar-18	27-Mar-98	METHOD FOR TRANSMITTING ON A PLURALITY OF TRANSMISSION MEDIA, WITH DYNAMIC DATA DISPATCHING, AND CORRESPONDING TRANSMITTER AND TERMINAL
100946	100946-CN-NP	ZL98126980.X	98126980.X	1230037A	CN	26-May-04	11-Dec-18	11-Dec-98	MULTIFREQUENCY PATCH ANTENNA
100946	100946-DE-EPA	EP0924797	98403063.5	EP0924797	DE	25-Feb-04	7-Dec-18	7-Dec-98	MULTIFREQUENCY PATCH ANTENNA
100946	100946-FR-EPA	EP0924797	98403063.5	EP0924797	FR	25-Feb-04	7-Dec-18	7-Dec-98	MULTIFREQUENCY PATCH ANTENNA
100946	100946-GB-EPA	EP0924797	98403063.5	EP0924797	GB	25-Feb-04	7-Dec-18	7-Dec-98	MULTIFREQUENCY PATCH ANTENNA
100946	100946-US-NP	US6133879	09/209447		US	17-Oct-00	11-Dec-18	11-Dec-98	MULTIFREQUENCY MICROSTRIP ANTENNA AND A DEVICE INCLUDING SAID ANTENNA
100949	100949-CN-NP	ZL98117083.8	98117083.8	1226093A	CN	5-Nov-03	11-Dec-18	11-Dec-98	Shorted microstrip antenna and apparatus using the same
100949	100949-DE-EPA	EP0923156	98402988.4	EP0923156	DE	28-Jan-04	30-Nov-18	30-Nov-98	Shorted microstrip antenna and apparatus using the same
100949	100949-FR-EPA	EP0923156	98402988.4	EP0923156	FR	28-Jan-04	30-Nov-18	30-Nov-98	Shorted microstrip antenna and apparatus using the same
100949	100949-GB-EPA	EP0923156	98402988.4	EP0923156	GB	28-Jan-04	30-Nov-18	30-Nov-98	Shorted microstrip antenna and apparatus using the same
100949	100949-US-NP	US6133880	09/209449		US	17-Oct-00	11-Dec-18	11-Dec-98	Shorted microstrip antenna and apparatus using the same
100957	100957-US-NP	US6166699	09/081515		US	26-Dec-00	20-May-18	20-May-98	ANTENNA SOURCE FOR TRANSMITTING AND RECEIVING MICROWAVES
101107	101107-FR-NP	FR2766318	9709068	2766318	FR	30-Nov-01	17-Jul-17	17-Jul-97	SYSTEME DE RADIOTELÉCOMMUNICATIONS AVEC UN TERMINAL MOBILE FONCTIONNANT EN MODE CELLULAIRE ET EN MODE SANS FIL
101107	101107-US-NP	US6141547	09/114499		US	31-Oct-00	13-Jul-18	13-Jul-98	RADIOTELÉCOMMUNICATIONS SYSTEM HAVING A MOBILE TERMINAL THAT OPERATES BOTH IN CELLULAR MODE AND IN CORDLESS MODE
101120	101120-US-NP	US6424350	09/273557		US	23-Jul-02	22-Mar-19	22-Mar-95	METHOD OF CONTROLLING A LIQUID CRYSTAL DISPLAY
101221	101221-DE-EPA	EP0929119	99400002.4	EP0929119	DE	13-Dec-06	4-Jan-19	4-Jan-99	ISOTROPIC BCCH BROADCAST BY BEAMFORMING BTS
101221	101221-FR-NP	FR2773661	9800191	2773661	FR	25-Feb-00	12-Jan-18	12-Jan-98	ISOTROPIC BCCH BROADCAST BY BEAMFORMING BTS
101221	101221-GB-EPA	EP0929119	99400002.4	EP0929119	GB	13-Dec-06	4-Jan-19	4-Jan-99	ISOTROPIC BCCH BROADCAST BY BEAMFORMING BTS
101221	101221-US-NP	US6181955	09/227884		US	30-Jan-01	11-Jan-19	11-Jan-95	METHOD OF TRANSMITTING A CONTROL SIGNAL BY A BASE STATION OF A DIGITAL CELLULAR MOBILE RADIO SYSTEM AND A CORRESPONDING BASE STATION
101242	101242-US-NP	US6366072	09/244827	20020007262	US	2-Apr-02	4-Feb-19	4-Feb-95	OPTIMIZED POWER SUPPLY SYSTEM FOR AN ELECTRONIC CIRCUIT
101279	101279-CN-NP	ZL98117088.9	98117088.9	1224254A	CN	6-Aug-03	11-Dec-18	11-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101279	101279-DE-EPA	EP0923157	98403061.9	EP0923157	DE	15-Sep-04	7-Dec-18	7-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101279	101279-FR-EPA	EP0923157	98403061.9	EP0923157	FR	15-Sep-04	7-Dec-18	7-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101279	101279-GB-EPA	EP0923157	98403061.9	EP0923157	GB	15-Sep-04	7-Dec-18	7-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101279	101279-US-NP	US6121930	09/209470		US	19-Sep-00	11-Dec-18	11-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101297	101297-US-NP	US7024619	09/373240		US	4-Apr-06	12-Aug-19	12-Aug-99	EVENT CONDITION ACTION...

Family	Case Reference	Grant Number	Application Number	Publication Number	Country	Issue Date	Expiration Date	Application Date	Title
Aydin 1-1-1-1-1-1-41 (O)	Aydin 1-1-1-1-1-1-41 (O)-KR-PCT	KR101462064	20107003269		KR	10-Nov-14	21-Jul-28	21-Jul-08	Method And Apparatus For Radio Link Failure Recovery In A Wireless Communications Network
Aydin 1-1-1-1-1-1-41 (O)	Aydin 1-1-1-1-1-1-41 (O)-US-NP	US8054806	12/221904	20090046578	US	8-Nov-11	20-Aug-28	7-Aug-08	Method And Apparatus For Radio Link Failure Recovery In A Wireless Communications Network
Aykin 1 (T)	Aykin 1 (T)-US-NP	US6516301	09/304294		US	4-Feb-03	3-May-19	3-May-99	Order-Based Material Management System
Aytur 2-8 (TS)	Aytur 2-8 (TS)-US-NP	US7095994	10/305584		US	22-Aug-06	20-Feb-24	27-Nov-02	Method And Apparatus For Dynamic Biasing Of Baseband Circuitry In A Communication System Receiver
Aytur 3-9 (TS)	Aytur 3-9 (TS)-US-NP	US7206557	10/338198	20040132424	US	17-Apr-07	16-May-24	8-Jan-03	Method And Apparatus For Suppressing Local Oscillator Leakage In A Wireless Transmitter
Azadet 10-2 (K)	Azadet 10-2 (K)-US-NP	US6999521	09/471920		US	14-Feb-06	23-Dec-19	23-Dec-99	Method And Apparatus For Shortening The Critical Path Of Reduced Complexity Sequence Estimation Techniques
Azar 24 (K)	Azar 24 (K)-US-NP	US6538885	09/662995		US	25-Mar-03	15-Sep-20	15-Sep-00	Electronic Circuit Cooling With Impingement Plate
Azar 27 (K)	Azar 27 (K)-US-NP	US6452799	09/662423		US	17-Sep-02	15-Sep-20	15-Sep-00	Integrated Circuit Cooling System
Baals 12-14 (KA)	Baals 12-14 (KA)-US-NP	US6813347	09/828985	20020146107	US	2-Nov-04	10-Apr-21	10-Apr-01	Selective Call Waiting
Bachl 2-6-2 (R)	Bachl 2-6-2 (R)-KR-NP	KR501617	20020029503		KR	6-Jul-05	28-May-22	28-May-02	A method For Improving Receivers For The 3GPP Standard By Employing Coded Control-Symbols As Additional Pilot Symbols
Bachl 2-6-2 (R)	Bachl 2-6-2 (R)-JP-NP	JP4017917	2002147977		JP	28-Sep-07	22-May-22	22-May-02	A method For Improving Receivers For The 3GPP Standard By Employing Coded Control-Symbols As Additional Pilot Symbols
Bachl 8-28-24-12 (RW)	Bachl 8-28-24-12 (RW)-CN-PCT	ZL200680030327.7	200680030327.7	CN101278587A	CN	24-Sep-14	16-Aug-26	16-Aug-06	Method For Reducing Discarded Slots And Frames In A Wireless Communications System
Bachl 8-28-24-12 (RW)	Bachl 8-28-24-12 (RW)-EP-FPT		06789770.2	EP1917826	EP		16-Aug-26	16-Aug-06	Method For Reducing Discarded Slots And Frames In A Wireless Communications System
Bachl 8-28-24-12 (RW)	Bachl 8-28-24-12 (RW)-JP-PCT	JP4847529	2008527979	20095066637	JP	21-Oct-11	16-Aug-26	16-Aug-06	Method For Reducing Discarded Slots And Frames In A Wireless Communications System
Bachl 8-28-24-12 (RW)	Bachl 8-28-24-12 (RW)-US-NP	US7558229	11/212131	20070076644	US	7-Jul-09	25-Aug-25	25-Aug-05	Method For Reducing Discarded Slots And Frames In A Wireless Communications System
Baevens 4-65-10 (YL)	Baevens 4-65-10 (YL)-US-NP	US8081050	12/392924	20100214040	US	20-Dec-11	29-Dec-29	25-Feb-09	Multilayer Planar Tunable Filter
Bagga 1-1-1-1-1-1-1-3-1 (YS)	Bagga 1-1-1-1-1-1-1-1-3-1 (YS)-US-NP	US7197546	09/520133		US	27-Mar-07	7-Mar-20	7-Mar-00	Inter-Domain Network Management System For Multi-Layer Networks
Bailey 1-4-1-5-11-1-2-1 (L)	Bailey 1-4-1-5-11-1-2-1 (L)-US-NP	US7936675	11/565772	20080130501	US	3-May-11	13-Mar-28	1-Dec-06	Bandwidth Packing Rate Controller For Optimizing Resource Utilization
Bair 5-10-18 (HE)	Bair 5-10-18 (HE)-US-NP	US6016696	09/162486		US	25-Jan-00	25-Sep-18	25-Sep-98	Method For Determining Volume Changes In Viscous Liquids
Baker 23-2 (AD)	Baker 23-2 (AD)-US-NP	US7099333	09/800684	20020172220	US	29-Aug-06	5-Aug-23	7-Mar-01	Automatic Protocol Version Detection And Call Processing Reconfiguration In A Communication System
Baker 26 (AD)	Baker 26 (AD)-US-NP	US7269177	10/298704	20040095946	US	11-Sep-07	4-Oct-25	18-Nov-02	Logical Star Topologies For Non-Star Networks
Baker 4-2-5 (TW)	Baker 4-2-5 (TW)-US-NP	US6163563	08/997715		US	19-Dec-00	23-Dec-17	23-Dec-97	Digital Communication System for High-Speed Complex Correlation
Baker 5-3-2 (TW)	Baker 5-3-2 (TW)-US-NP	US6266331	09/108429		US	24-Jul-01	1-Jul-18	1-Jul-98	A Device For Generating Multiple Spreading Sequences In Reverse High Speed Data Channels
Baker 8-1 (BS)	Baker 8-1 (BS)-US-NP	US6282698	09/205813		US	28-Aug-01	4-Dec-18	4-Dec-98	Method For Detecting Similarities In Java Sources From Bytecodes
Balachandran 15-43 (K)	Balachandran 15-43 (K)-US-NP	US7020185	09/724231		US	28-Mar-06	5-Jun-22	28-Nov-00	Method And Apparatus For Determining Channel Conditions In A Communication System
Balachandran 21-1-3-12 (K)	Balachandran 21-1-3-12 (K)-US-NP	US7054346	09/850124	20020164990	US	30-May-06	27-Aug-23	7-May-01	Enhanced Frequency Hopping In A Wireless System
Balachandran 22-2-1-2 (K)	Balachandran 22-2-1-2 (K)-US-NP	US7082153	10/251954	20040057501	US	25-Jul-06	29-Sep-24	23-Sep-02	Variable Spacing Pulse Position Modulation For Ultra-Wideband Communication Links
Balachandran 26-24-25-13 (K)	Balachandran 26-24-25-13 (K)-US-NP	US7304971	10/285413	20040085934	US	4-Dec-07	23-Aug-25	1-Nov-02	Flexible Transmission Method For Wireless Communications
Balachandran 3-10-2-25 (K)	Balachandran 3-10-2-25 (K)-IN-NP		241/MAS/99		IN		25-Feb-19	25-Feb-99	System And Method For Measuring Channel Quality Information In A Communication System
Balachandran 3-10-2-25 (K)	Balachandran 3-10-2-25 (K)-US-NP	US6215827	09/044636		US	10-Apr-01	19-Mar-18	19-Mar-98	System And Method For Measuring Channel Quality Information In A Communication System
Balachandran 32-17-29-5-2 (K)	Balachandran 32-17-29-5-2 (K)-US-NP	US7734805	10/413401	20040210619	US	8-Jun-10	24-Aug-26	15-Apr-03	Method For Scheduling Transmission In Communication Systems
Balachandran 33-6-13 (K)	Balachandran 33-6-13 (K)-US-NP	US7356561	10/426691	20040230638	US	8-Apr-08	19-Jun-25	1-May-03	Adaptive Sleeping And Awakening Protocol For An Energy-Efficient ADHOC Network
Balachandran 38-22-35-12 (K)	Balachandran 38-22-35-12 (K)-US-NP	US7372823	10/805701	20050207365	US	13-May-08	9-Dec-25	22-Mar-04	Method Of Transmitting Broadcast-Multicast Services Parameters Messages In A Wireless Communications System
Balachandran 57-19-4-59 (K)	Balachandran 57-19-4-59 (K)-CN-PCT	ZL200980136620.3	200980136620.5	102160446	CN	23-Sep-15	3-Sep-29	3-Sep-09	An Architecture To Support Network-Wide Multiple-In-Multiple-Out Wireless Communication Over An Uplink
Balachandran 57-19-4-59 (K)	Balachandran 57-19-4-59 (K)-EP-EPT		09789257.4	EP2335445	EP		3-Sep-29	3-Sep-09	An Architecture To Support Network-Wide Multiple-In-Multiple-Out Wireless Communication Over An Uplink
Balachandran 57-19-4-59 (K)	Balachandran 57-19-4-59 (K)-KR-PCT	KR101176377	20117006102		KR	17-Aug-12	3-Sep-29	3-Sep-09	An Architecture To Support Network-Wide Multiple-In-Multiple-Out Wireless Communication Over An Uplink
Balachandran 6-1-2-2-11-1 (K)	Balachandran 6-1-2-2-11-1 (K)-US-NP	US6532222	09/186765		US	11-Mar-03	5-Nov-18	5-Nov-98	Apparatus And Methods For Improving The Assignment Of Parallel Demodulators To Multipaths Of Wireless Signals
Baldwin 4-17-2-27 (KW)	Baldwin 4-17-2-27 (KW)-US-NP	US7439096	09/789397	20020155729	US	21-Oct-08	20-Jun-22	21-Feb-01	Semiconductor Device Encapsulation
Baldwin 4-2-53-5 (MS)	Baldwin 4-2-53-5 (MS)-US-NP	US7103635	09/770135	2002004820	US	5-Sep-06	4-Mar-23	26-Jan-01	Really Simple Mail Transport Protocol
Balents 1-2-1-1-1 (L)	Balents 1-2-1-1-1 (L)-US-NP	US6501963	09/378362		US	31-Dec-02	20-Aug-19	20-Aug-99	Design, Fabrication And Operation Of Antennas For Diffusive Environments
Ball 4-1 (TJ)	Ball 4-1 (TJ)-US-NP	US6222847	08/999708		US	24-Apr-01	8-Oct-17	8-Oct-97	Apparatus And Method For Retrieving Data From A Network Site
Ball 8-7-7-2-5-4 (TJ)	Ball 8-7-7-2-5-4 (TJ)-US-NP	US6393107	09/318140		US	21-May-02	25-May-19	25-May-99	Method And Apparatus For Creating And Sending Structured Voicemail Messages
Balogh 1-1-11-8-2 (DA)	Balogh 1-1-11-8-2 (DA)-US-NP	US6535736	09/210019		US	18-Mar-03	11-Dec-18	11-Dec-98	Channel Access Control In Wireless Communications System
Bao 5-2 (Z)	Bao 19-28 (Z)-US-DIV	US6372532	09/754959		US	16-Apr-02	10-Jun-18	5-Jan-01	Patterned Light Emitting Diode Devices